

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049873.D
 Acq On : 09 Apr 2025 18:21
 Operator : RC/JU
 Sample : Q1745-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IB-6.5-WC

Quant Time: Apr 10 01:24:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

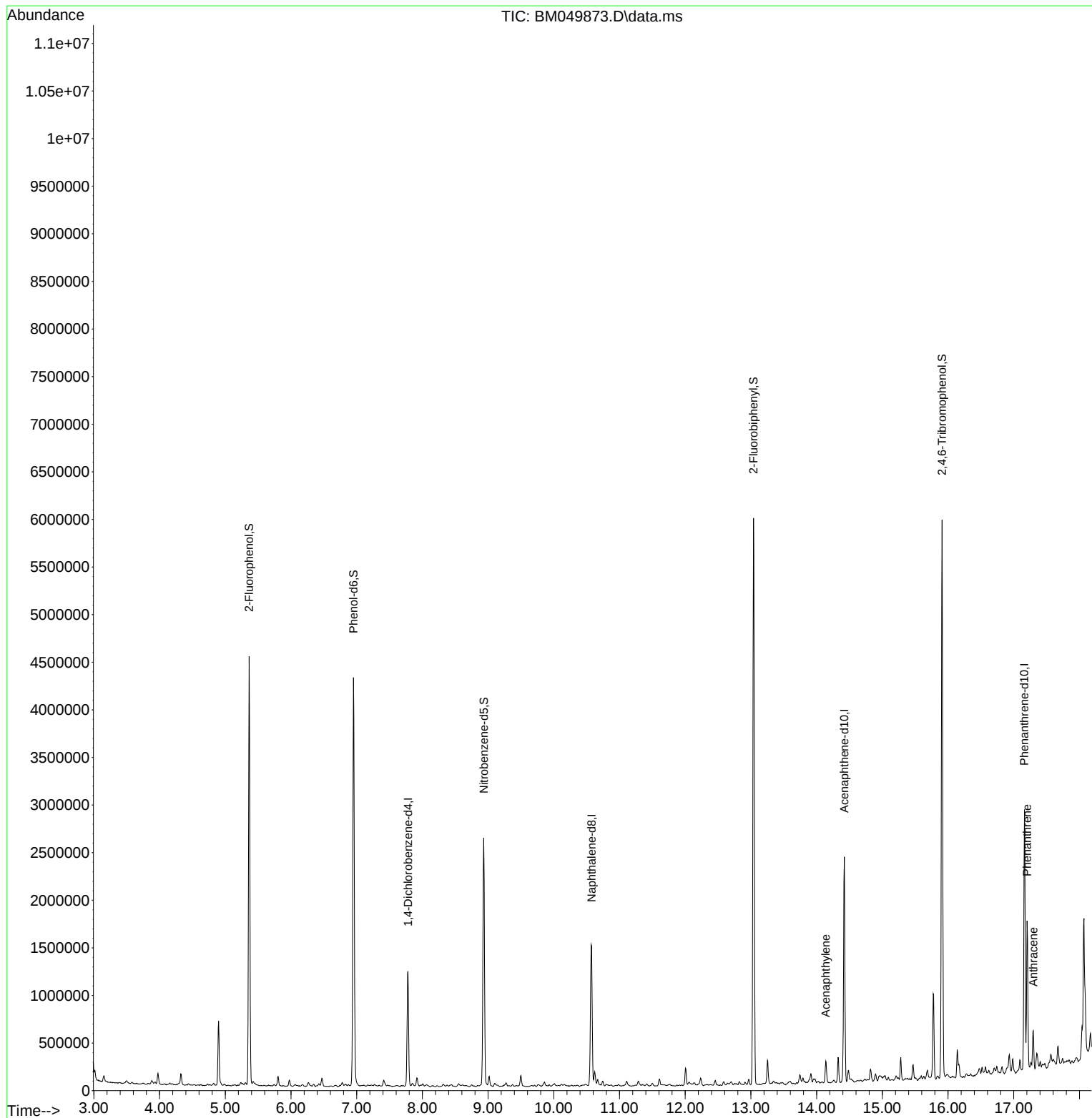
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	351656	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1270188	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	844317	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1618357	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1562202	20.000	ng	0.00
86) Perylene-d12	24.403	264	1701978	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1959846	94.637	ng	0.00
7) Phenol-d6	6.951	99	2513058	97.534	ng	0.00
23) Nitrobenzene-d5	8.934	82	1504917	65.976	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1164826	94.849	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	3247548	52.157	ng	0.00
79) Terphenyl-d14	19.792	244	4089635	49.060	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.139	152	178404	2.483	ng	98
71) Phenanthrene	17.204	178	945922	10.661	ng	99
72) Anthracene	17.298	178	274228	3.136	ng	99
75) Fluoranthene	19.221	202	3218138	29.500	ng	100
78) Pyrene	19.586	202	3419946	31.765	ng	99
81) Benzo(a)anthracene	21.386	228	1832969	17.655	ng	96
83) Chrysene	21.445	228	1788619	18.121	ng	97
87) Indeno(1,2,3-cd)pyrene	27.797	276	1296404	10.219	ng	97
88) Benzo(b)fluoranthene	23.462	252	2532995	23.303	ng	98
89) Benzo(k)fluoranthene	23.515	252	1023821m	9.719	ng	
90) Benzo(a)pyrene	24.262	252	1948436	20.399	ng	99
91) Dibenzo(a,h)anthracene	27.821	278	314415	3.009	ng	# 89
92) Benzo(g,h,i)perylene	28.844	276	1316202	12.326	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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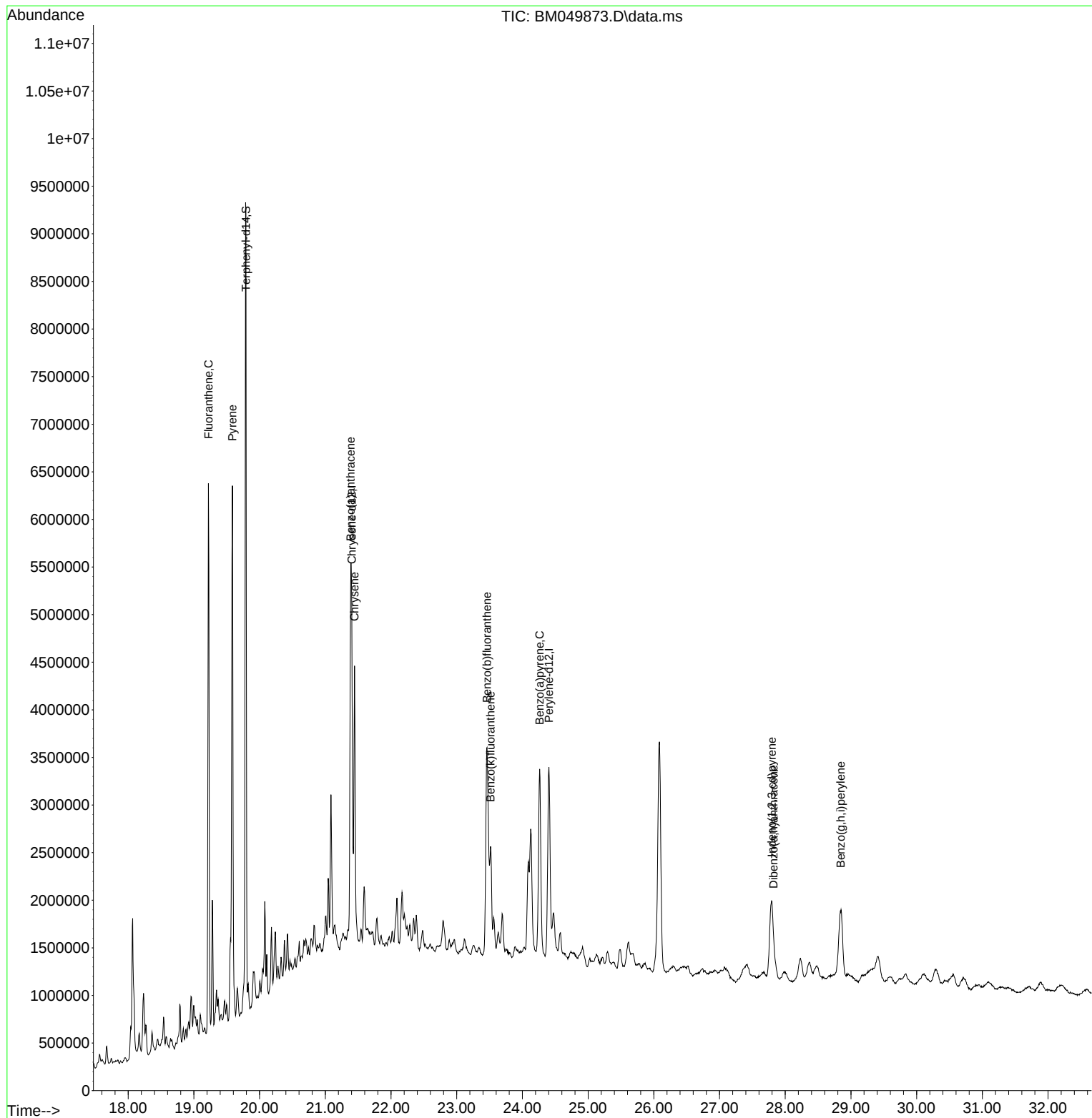
Quant Time: Apr 10 01:24:23 2025
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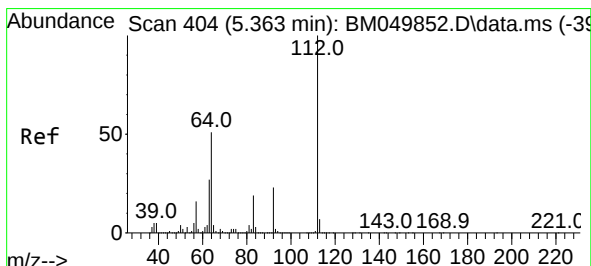
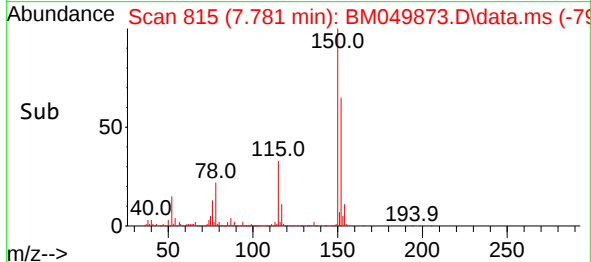
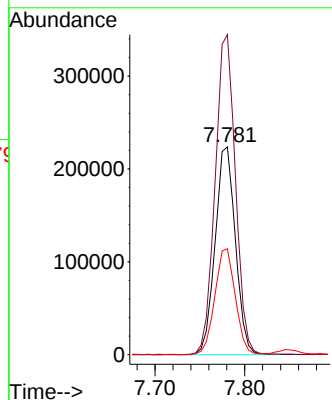
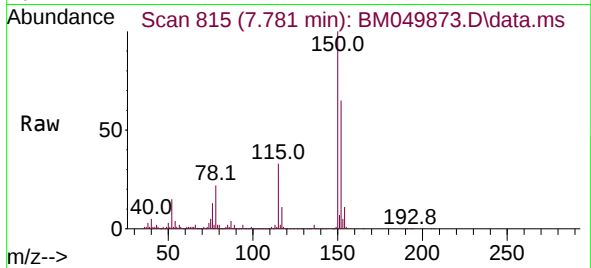




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 815
Delta R.T. -0.000 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

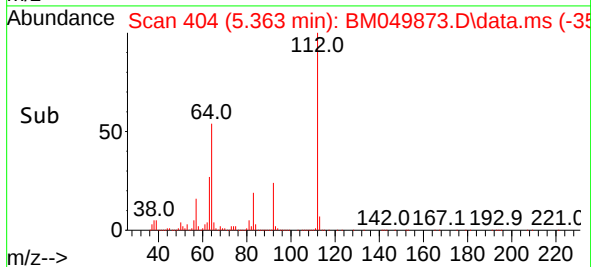
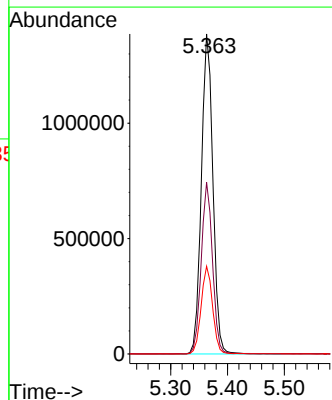
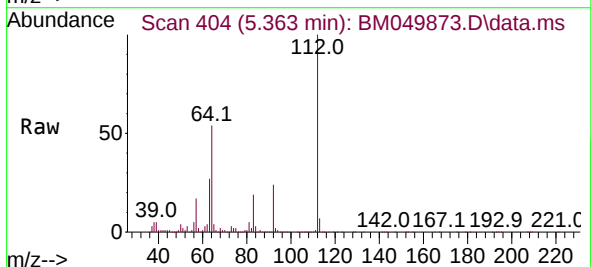
Instrument :
BNA_M
ClientSampleId :
IB-6.5-WC

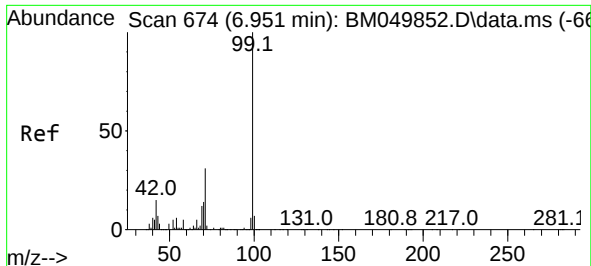
Tgt Ion:152 Resp: 351656
Ion Ratio Lower Upper
152 100
150 154.0 124.3 186.5
115 51.0 41.1 61.7



#5
2-Fluorophenol
Concen: 94.637 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

Tgt Ion:112 Resp: 1959846
Ion Ratio Lower Upper
112 100
64 53.7 41.0 61.6
63 27.4 21.5 32.3



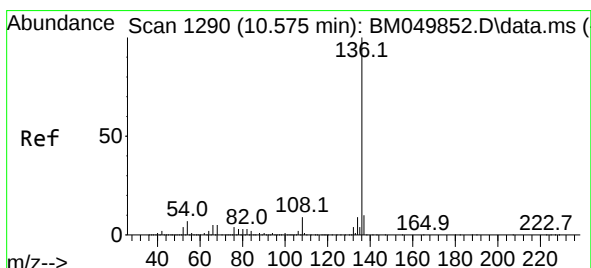
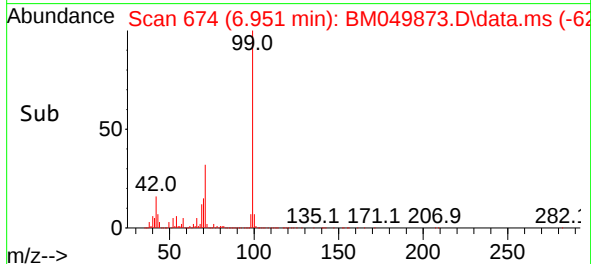
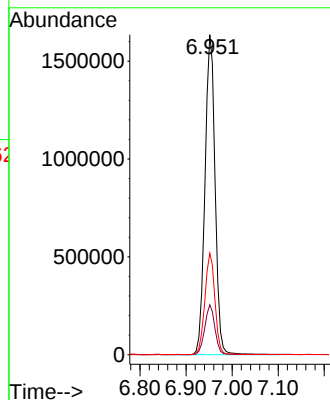
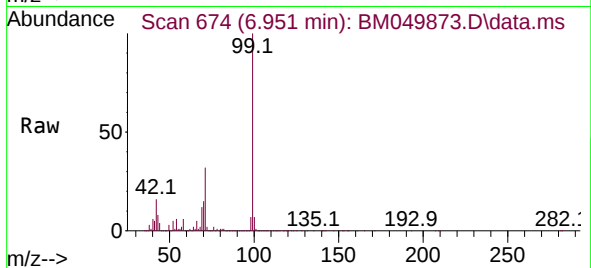


#7
Phenol-d6
Concen: 97.534 ng
RT: 6.951 min Scan# 674
Delta R.T. 0.000 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

Instrument :
BNA_M
ClientSampleId :
IB-6.5-WC

Tgt Ion: 99 Resp: 2513058

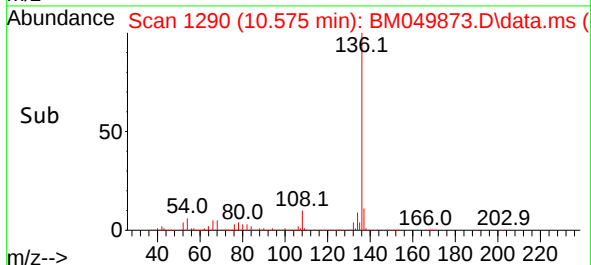
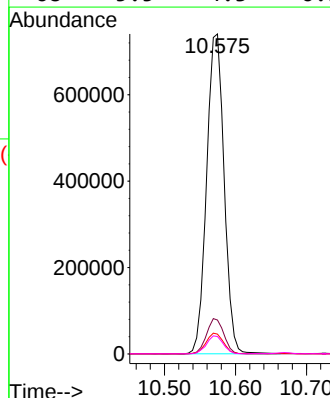
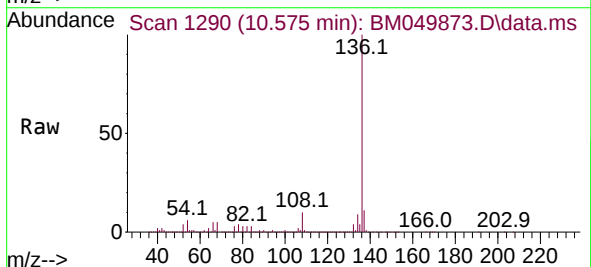
Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.1	18.1
71	31.7	24.9	37.3

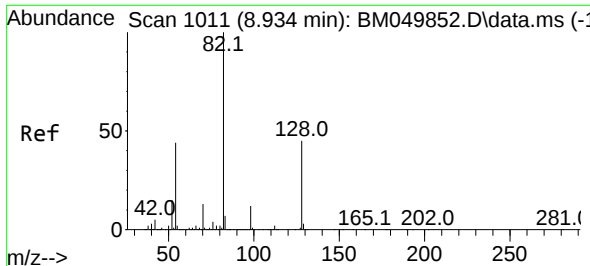


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

Tgt Ion: 136 Resp: 1270188

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	6.2	5.3	7.9
68	5.5	4.3	6.5

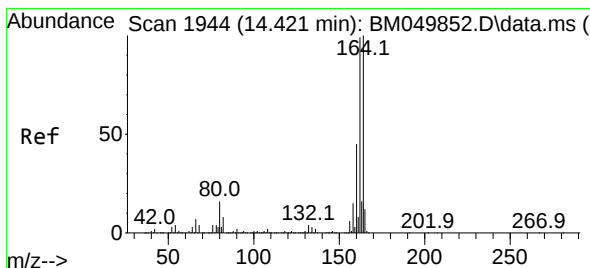
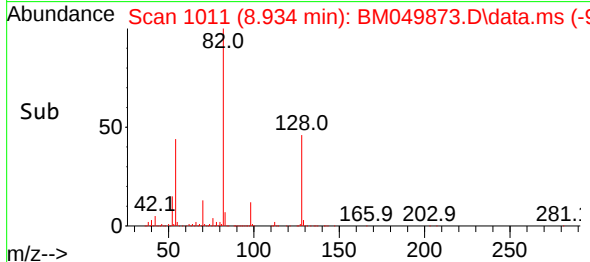
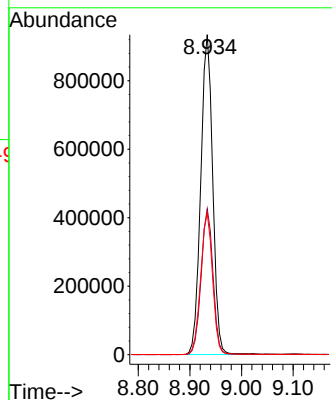
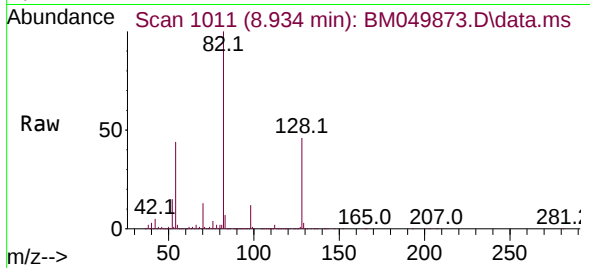




#23
Nitrobenzene-d5
Concen: 65.976 ng
RT: 8.934 min Scan# 1011
Delta R.T. 0.000 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

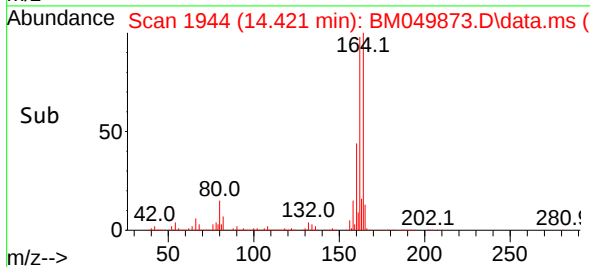
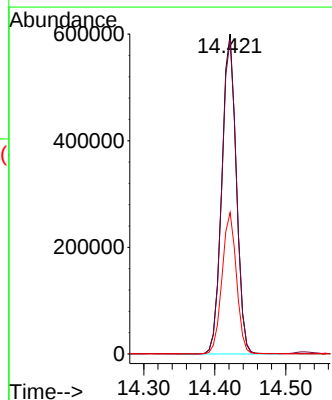
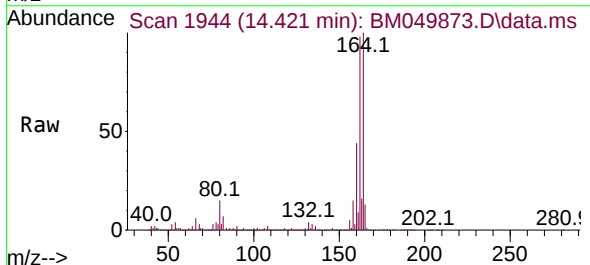
Instrument :
BNA_M
ClientSampleId :
IB-6.5-WC

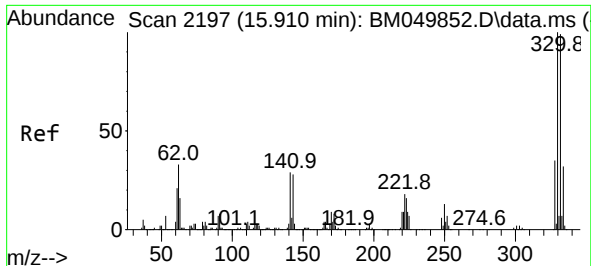
Tgt Ion: 82 Resp: 1504917
Ion Ratio Lower Upper
82 100
128 45.6 36.2 54.2
54 44.2 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

Tgt Ion:164 Resp: 844317
Ion Ratio Lower Upper
164 100
162 98.1 79.4 119.0
160 44.2 36.2 54.2

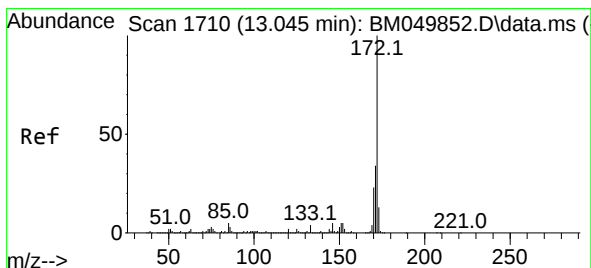
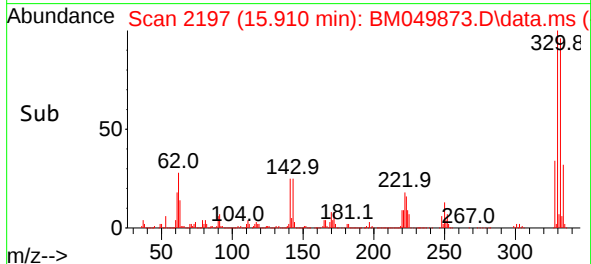
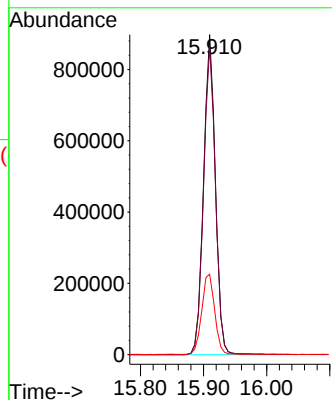
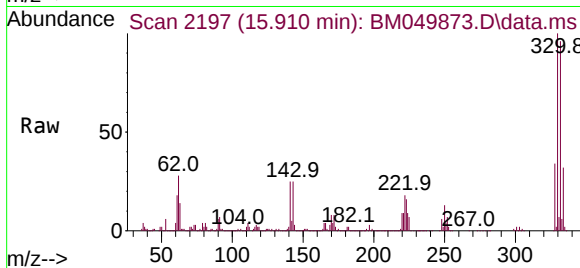




#42
2,4,6-Tribromophenol
Concen: 94.849 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

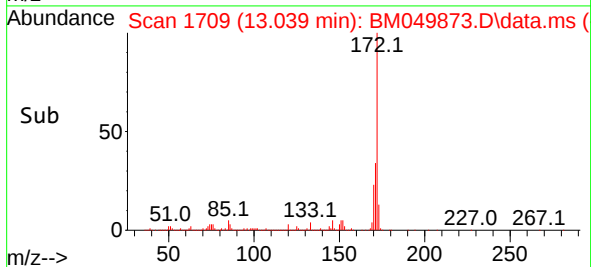
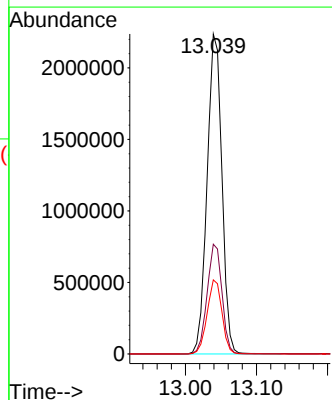
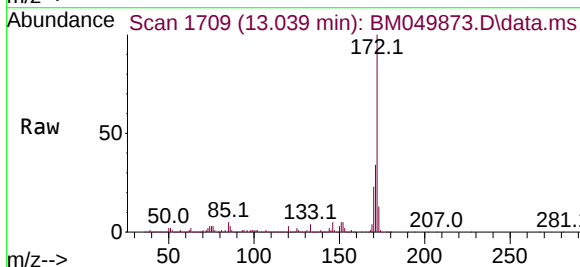
Instrument :
BNA_M
ClientSampleId :
IB-6.5-WC

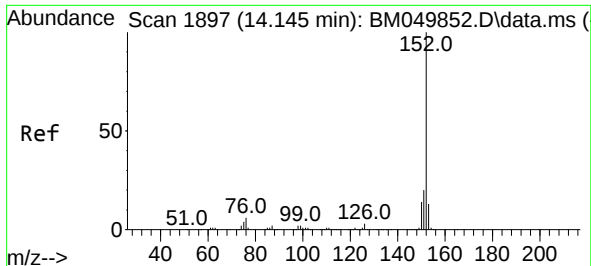
Tgt Ion:330 Resp: 1164826
Ion Ratio Lower Upper
330 100
332 97.0 78.0 117.0
141 27.4 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 52.157 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

Tgt Ion:172 Resp: 3247548
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.2
170 23.2 18.6 28.0

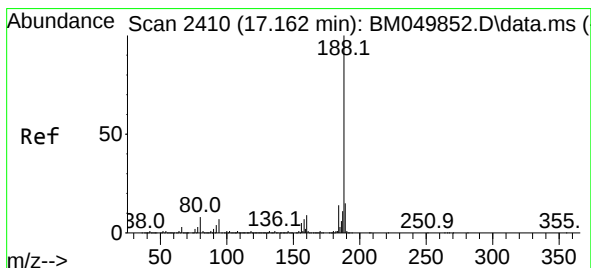
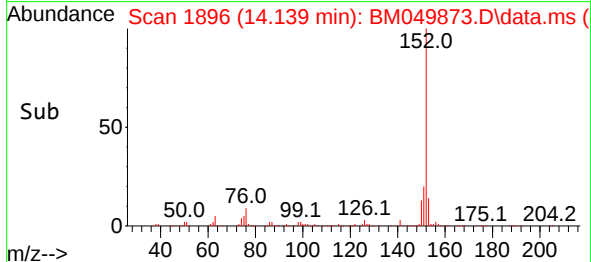
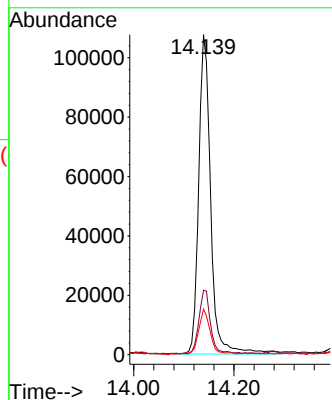
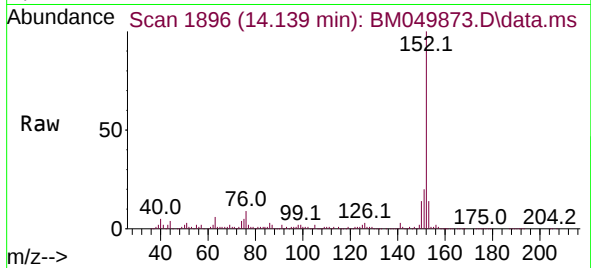




#49
Acenaphthylene
Concen: 2.483 ng
RT: 14.139 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

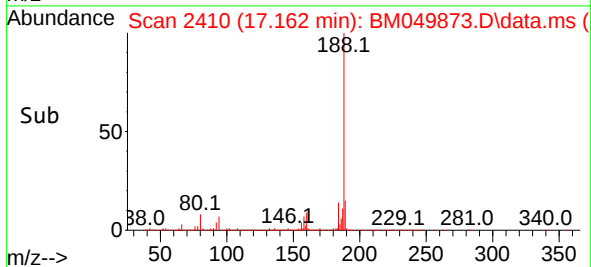
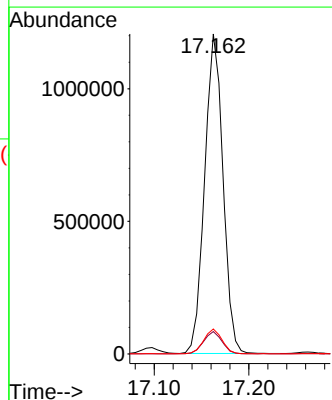
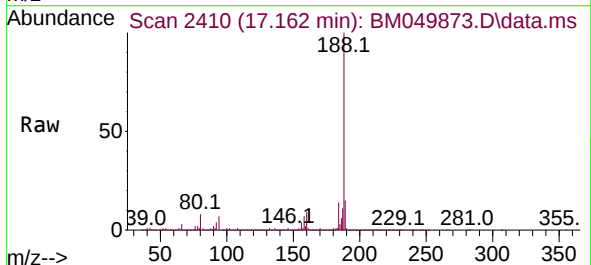
Instrument :
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ClientSampleId :
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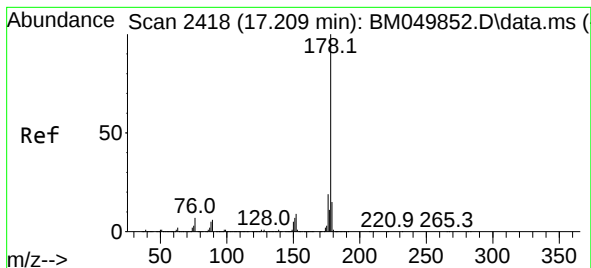
Tgt Ion:152 Resp: 178404
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 14.2 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

Tgt Ion:188 Resp: 1618357
Ion Ratio Lower Upper
188 100
94 7.0 5.8 8.6
80 7.8 6.4 9.6





#71

Phenanthrene

Concen: 10.661 ng

RT: 17.204 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BM049873.D

Acq: 09 Apr 2025 18:21

Instrument :

BNA_M

ClientSampleId :

IB-6.5-WC

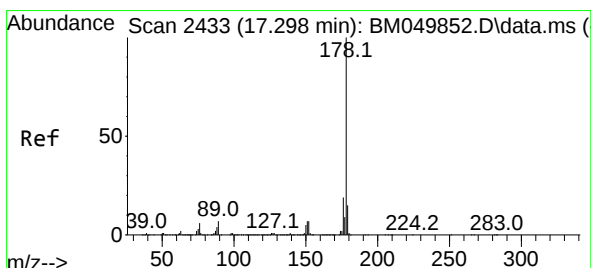
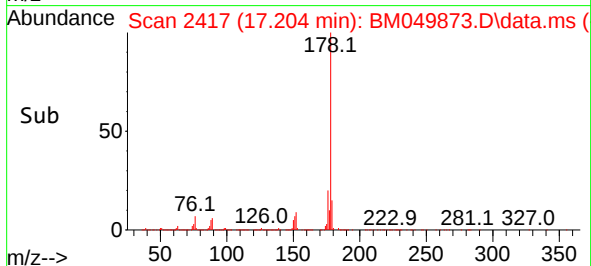
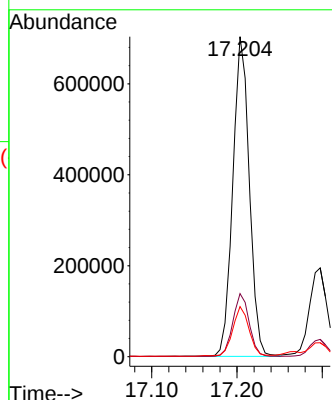
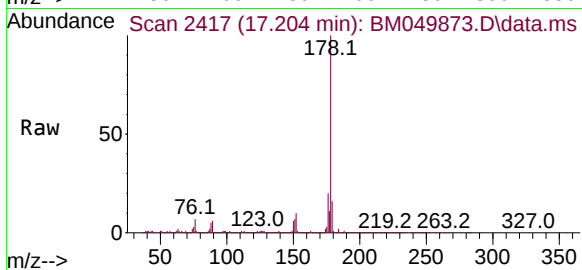
Tgt Ion:178 Resp: 945922

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

179 15.6 12.3 18.5



#72

Anthracene

Concen: 3.136 ng

RT: 17.298 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BM049873.D

Acq: 09 Apr 2025 18:21

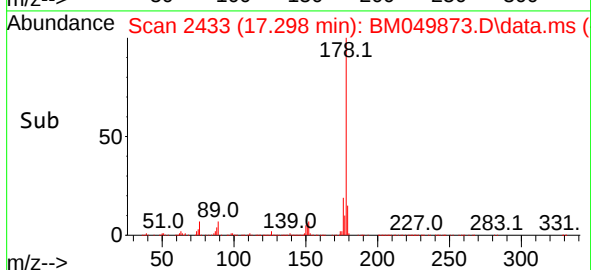
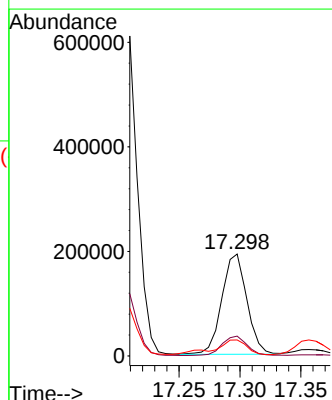
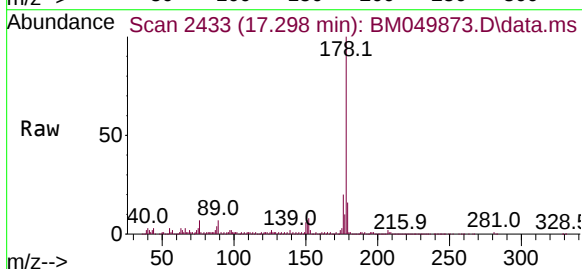
Tgt Ion:178 Resp: 274228

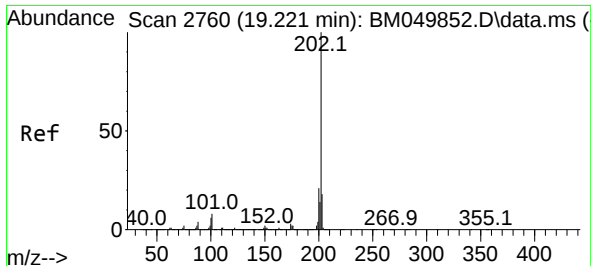
Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

179 15.6 12.4 18.6

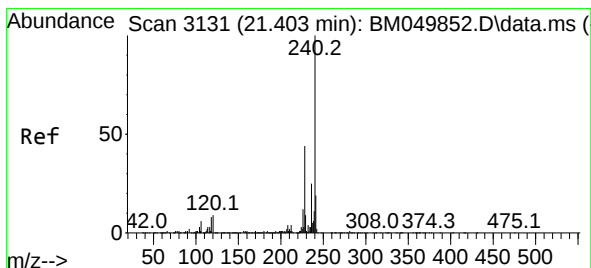
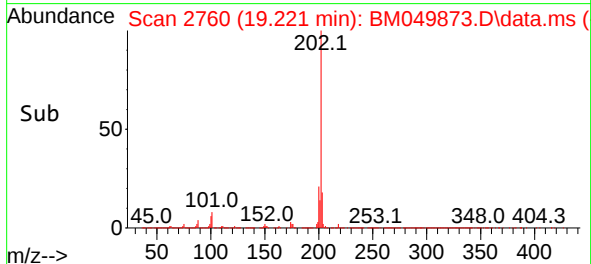
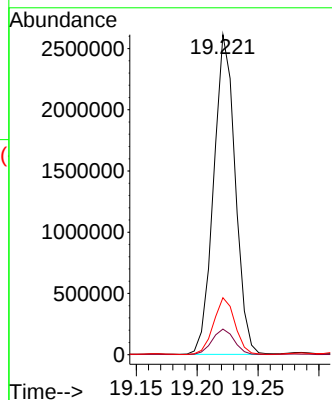
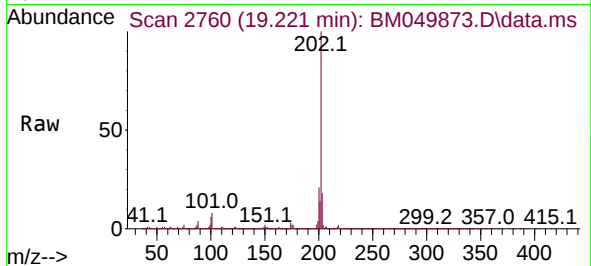




#75
Fluoranthene
Concen: 29.500 ng
RT: 19.221 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

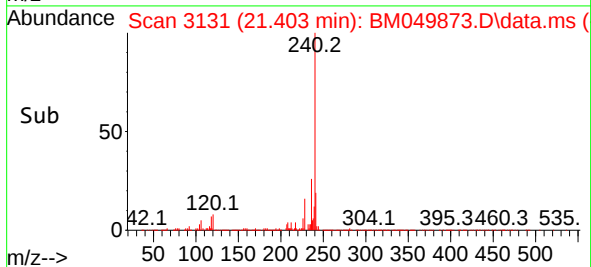
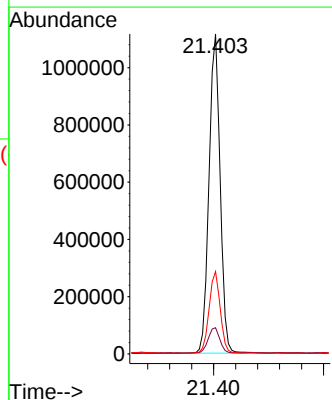
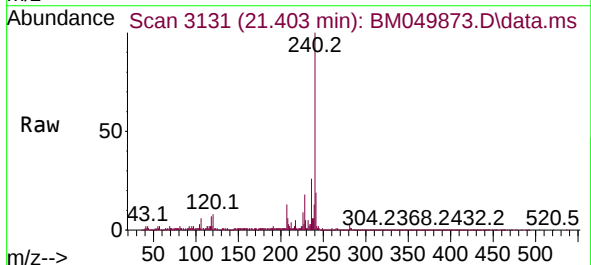
Instrument :
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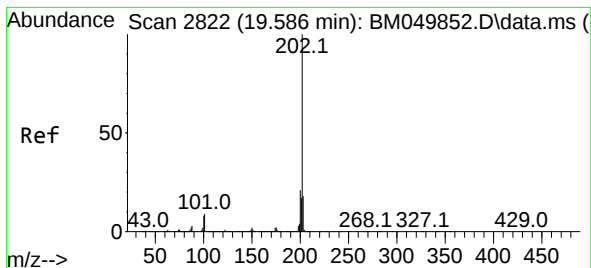
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Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.4
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

Tgt Ion:240 Resp: 1562202
Ion Ratio Lower Upper
240 100
120 8.2 6.9 10.3
236 25.8 20.4 30.6





#78

Pyrene

Concen: 31.765 ng

RT: 19.586 min Scan# 2822

Delta R.T. 0.000 min

Lab File: BM049873.D

Acq: 09 Apr 2025 18:21

Instrument :

BNA_M

ClientSampleId :

IB-6.5-WC

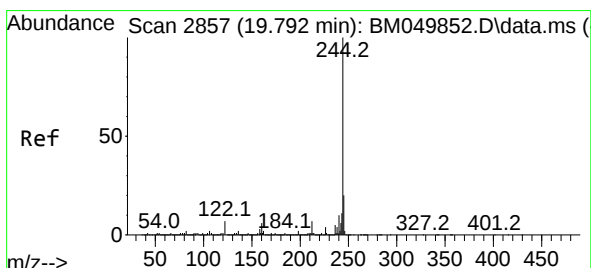
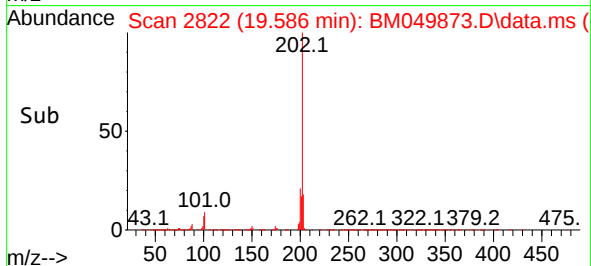
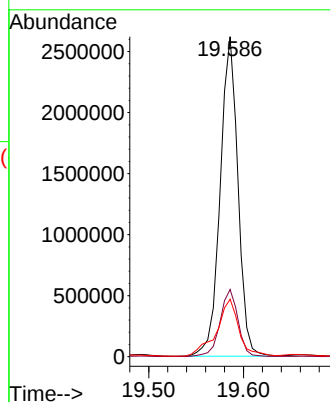
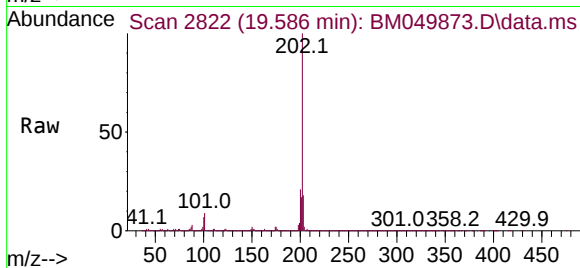
Tgt Ion:202 Resp: 3419946

Ion Ratio Lower Upper

202 100

200 21.0 16.5 24.7

203 18.0 14.0 21.0



#79

Terphenyl-d14

Concen: 49.060 ng

RT: 19.792 min Scan# 2857

Delta R.T. 0.000 min

Lab File: BM049873.D

Acq: 09 Apr 2025 18:21

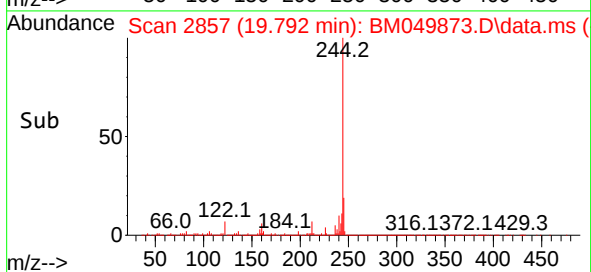
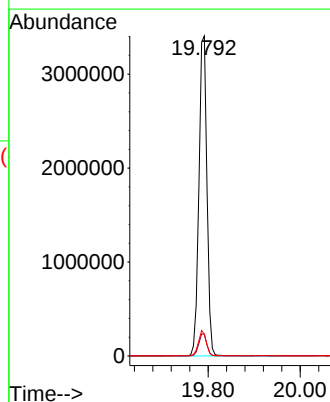
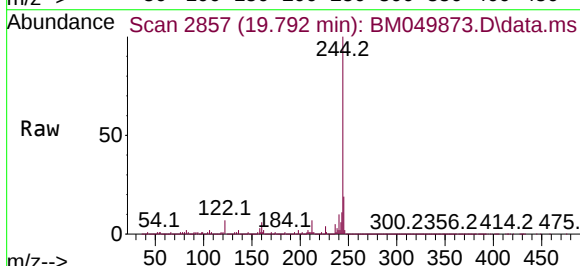
Tgt Ion:244 Resp: 4089635

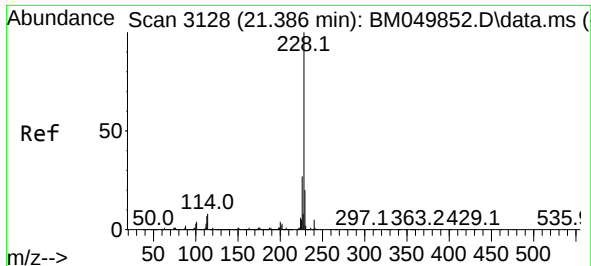
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 6.8 5.4 8.0

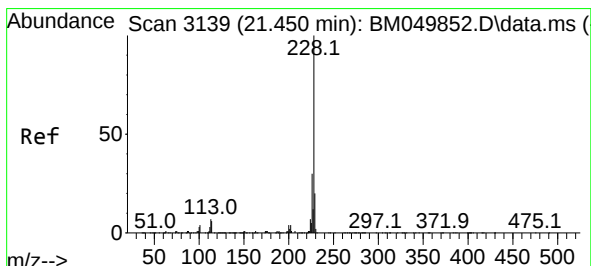
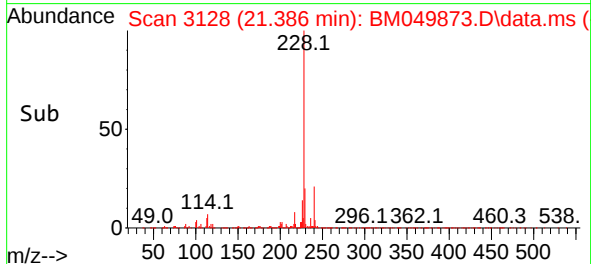
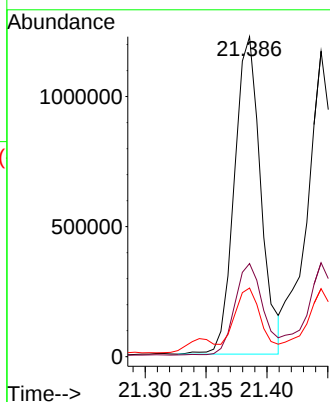
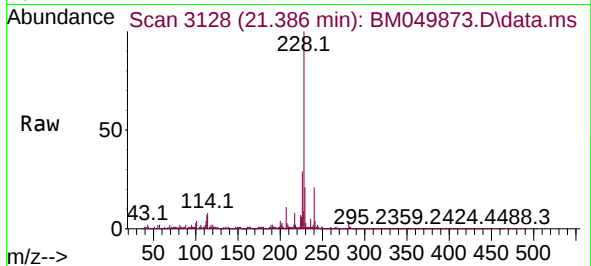




#81
Benzo(a)anthracene
Concen: 17.655 ng
RT: 21.386 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

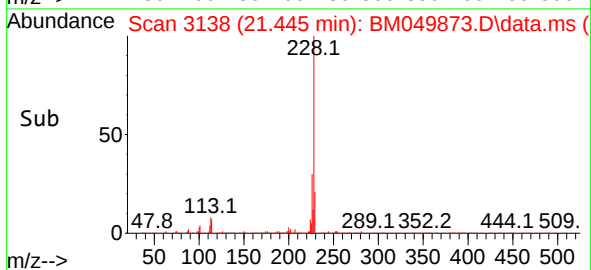
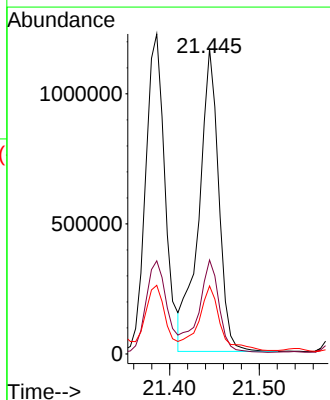
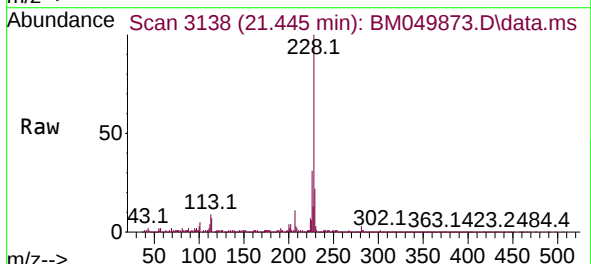
Instrument :
BNA_M
ClientSampleId :
IB-6.5-WC

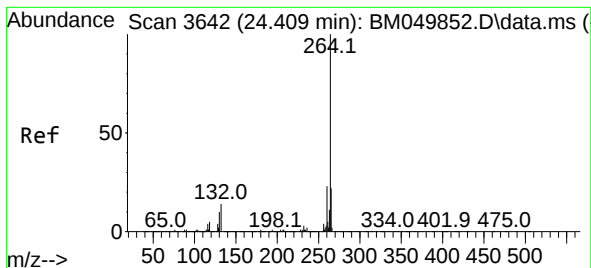
Tgt Ion:228 Resp: 1832969
Ion Ratio Lower Upper
228 100
226 29.1 21.8 32.8
229 21.5 15.8 23.8



#83
Chrysene
Concen: 18.121 ng
RT: 21.445 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BM049873.D
Acq: 09 Apr 2025 18:21

Tgt Ion:228 Resp: 1788619
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 22.3 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM049873.D

Acq: 09 Apr 2025 18:21

Instrument :

BNA_M

ClientSampleId :

IB-6.5-WC

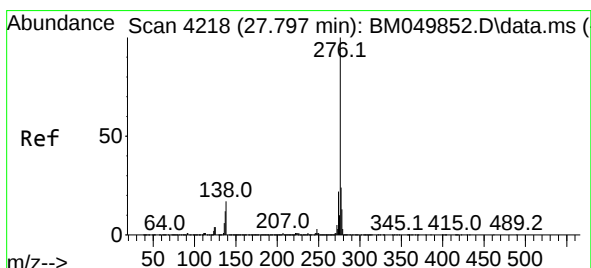
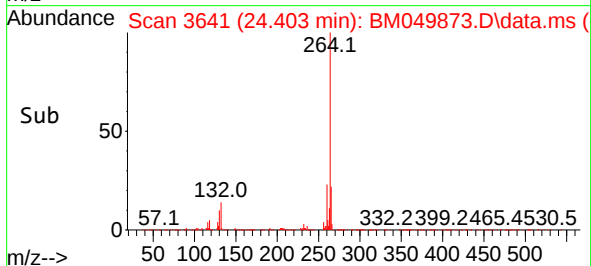
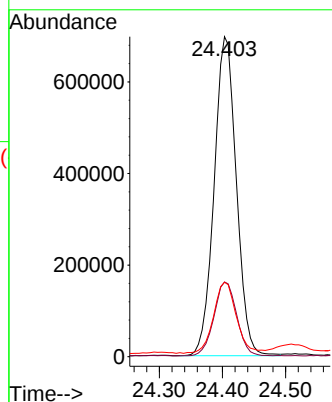
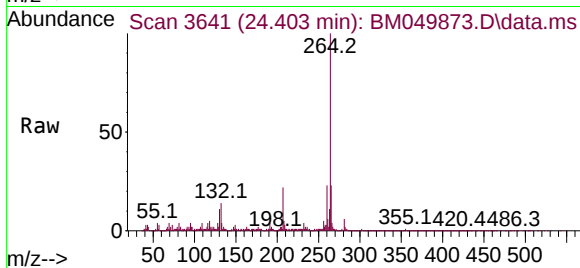
Tgt Ion:264 Resp: 1701978

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 23.3 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.219 ng

RT: 27.797 min Scan# 4218

Delta R.T. 0.000 min

Lab File: BM049873.D

Acq: 09 Apr 2025 18:21

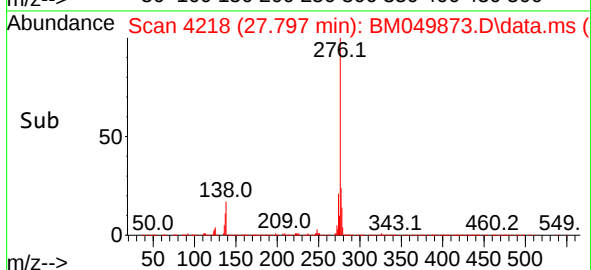
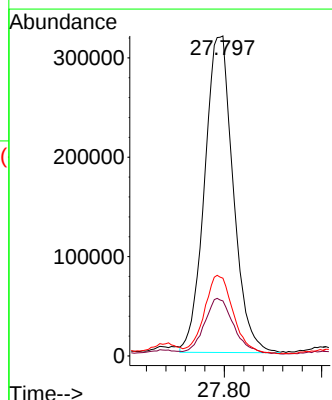
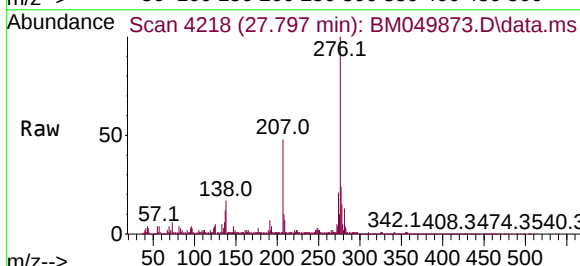
Tgt Ion:276 Resp: 1296404

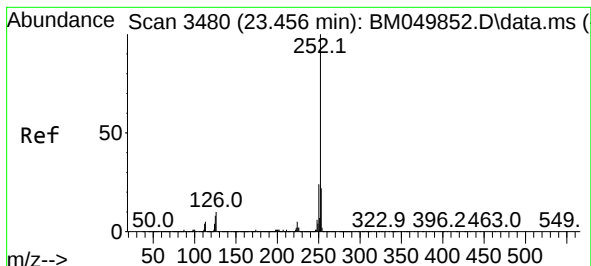
Ion Ratio Lower Upper

276 100

138 18.2 16.8 25.2

277 24.9 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 23.303 ng

RT: 23.462 min Scan# 34

Delta R.T. 0.006 min

Lab File: BM049873.D

Acq: 09 Apr 2025 18:21

Instrument :

BNA_M

ClientSampleId :

IB-6.5-WC

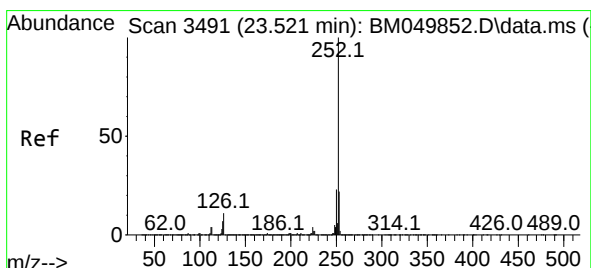
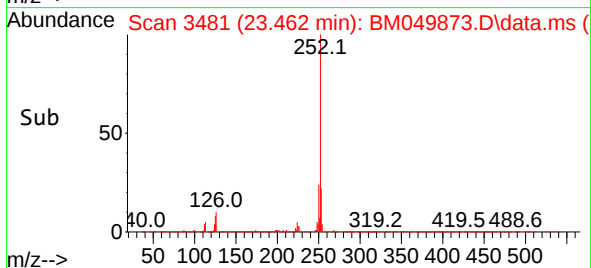
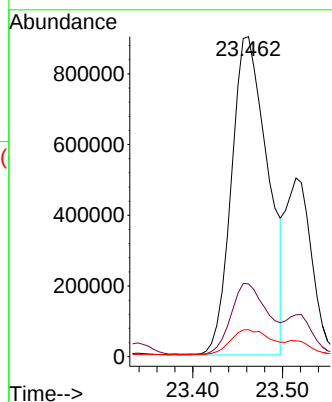
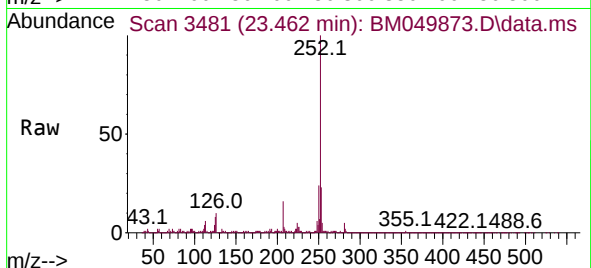
Tgt Ion:252 Resp: 2532995

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 8.5 6.2 9.4



#89

Benzo(k)fluoranthene

Concen: 9.719 ng m

RT: 23.515 min Scan# 3490

Delta R.T. -0.006 min

Lab File: BM049873.D

Acq: 09 Apr 2025 18:21

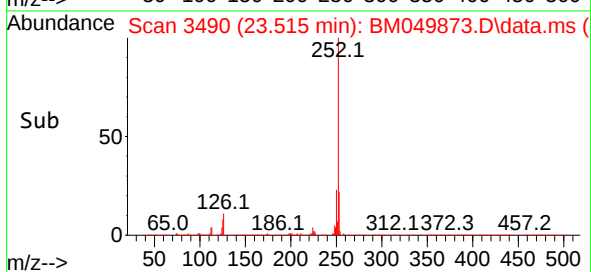
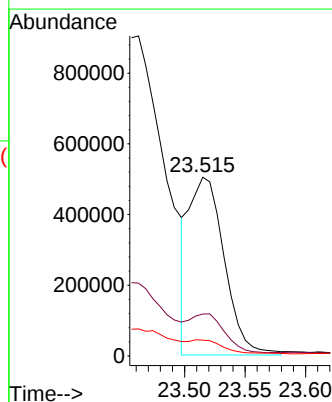
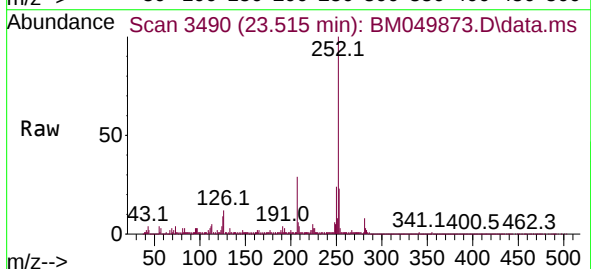
Tgt Ion:252 Resp: 1023821

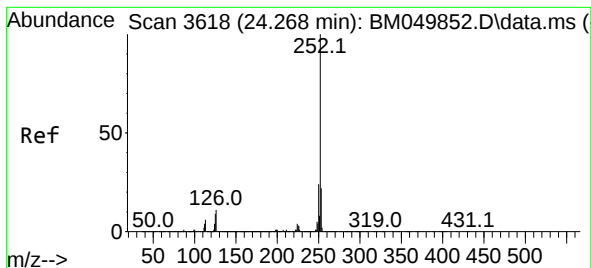
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 8.9 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 20.399 ng

RT: 24.262 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM049873.D

Acq: 09 Apr 2025 18:21

Instrument :

BNA_M

ClientSampleId :

IB-6.5-WC

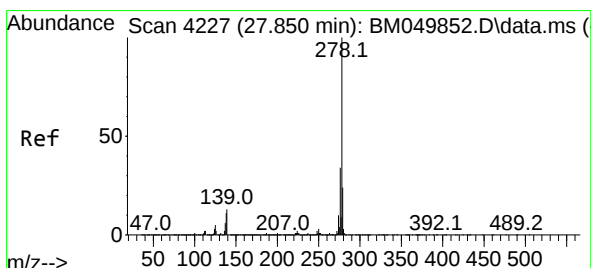
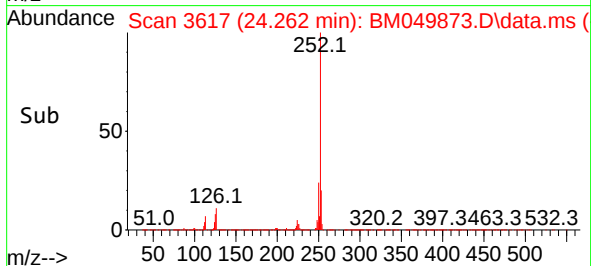
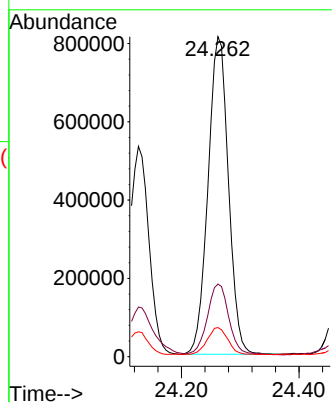
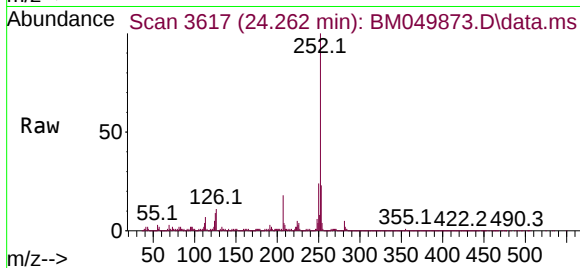
Tgt Ion:252 Resp: 1948436

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 9.1 7.0 10.4



#91

Dibenzo(a,h)anthracene

Concen: 3.009 ng

RT: 27.821 min Scan# 4222

Delta R.T. -0.029 min

Lab File: BM049873.D

Acq: 09 Apr 2025 18:21

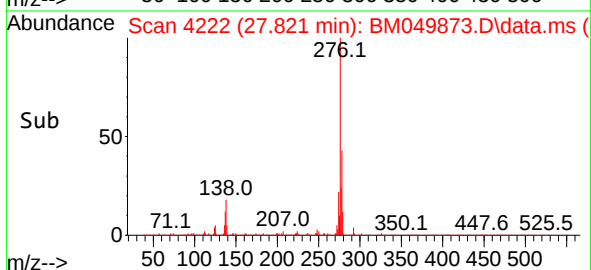
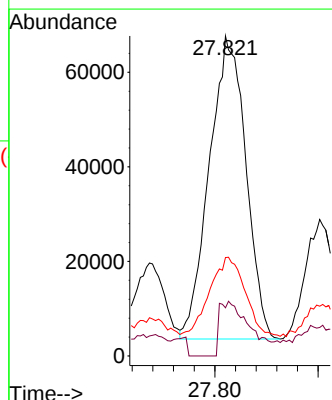
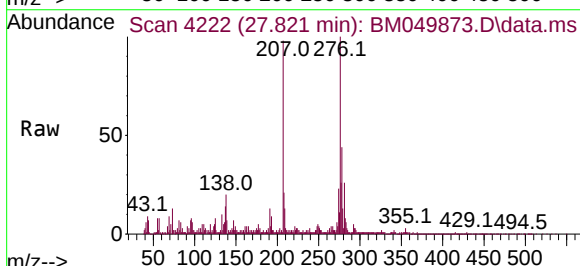
Tgt Ion:278 Resp: 314415

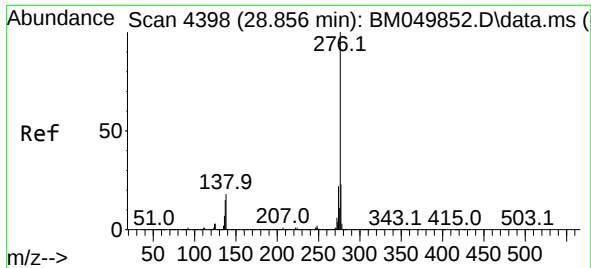
Ion Ratio Lower Upper

278 100

139 15.0 10.6 15.8

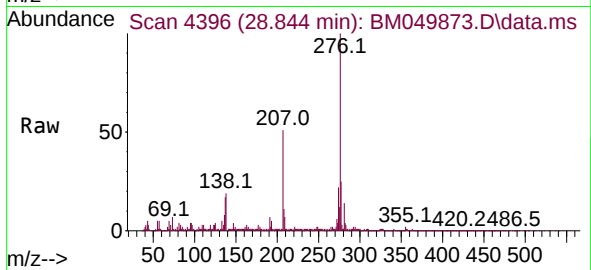
279 30.7 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 12.326 ng
 RT: 28.844 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: BM049873.D
 Acq: 09 Apr 2025 18:21

Instrument :
 BNA_M
 ClientSampleId :
 IB-6.5-WC



Tgt Ion:276 Resp: 1316202

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.7	28.1
138	19.0	14.6	21.8

